



JCO6 Rec'd PCT/PTO 30 SEP 2005

PCT  
#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Adolf Bernds et al.  
SERIAL NO: 10/542,678      GROUP ART UNIT: Not assigned  
FILED: July 19, 2005      EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Organic Electronic Component and Method for Producing  
Organic Electronic Devices  
ATTY/DKT NO.: 411000-140

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

X §1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.  
No fee or statement is required.

       §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

- \_\_\_\_ The statement as specified in 37 CFR §1.97(e) set out below; OR  
\_\_\_\_ The fee of \$180.00 under 37 CFR §1.17(p).

\_\_\_\_§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR  
(2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND  
is accompanied by:

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND  
(2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,  
(3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

\_\_\_\_§1.97(e) The undersigned Attorney hereby states that:

- \_\_\_\_ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;  
or  
\_\_\_\_ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

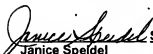
The relevancy of the cited patents, the foreign language and other documents listed on the attached PTO 1449 is that these documents were cited in the copending applications noted in the accompanying Disclosure Statement or were cited in a foreign application that may have subject matter generally related to the subject matter of one or more of the cited copending applications.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

**FIRST CLASS CERTIFICATE**

I hereby certify that this correspondence is being deposited on the date set forth below with the U.S. Postal Service as First Class Mail, postage prepaid, in an envelope addressed to:


Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

  
Janice Spedel

#270055

Sept. 26, 2005  
Date

Respectfully submitted,  
Adolf Bernds et al

  
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**DISCLOSURE STATEMENT UNDER 37 CFR 1.56**

SIR:

This paper is to bring to the attention of the PTO the following commonly owned copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. Many of these applications also have one or more common inventors. The enclosed PTO 1449 lists these applications. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed on the attached PTO 1449.

<u>Application No.</u>	<u>Title</u>	<u>Inventors</u>	<u>Atty. Dkt. No.</u>
10/332,140	Method for the Production and Configuration of Organic Field-Effect Transistors (OFET)	Adolf Bernds et al.	411000-103

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

10/344,951	Organic Field-Effect Transistor (OFET), A Production Method Therefor, An Integrated Circuit Constructed From the Same and Their Uses	Adolf Bernds et al.	411000-99
10/362,932	Organic Field Effect Transistor, Method for Structuring an OFET and Integrated Circuit	Adolf Bernds et al	411000-110
10/380,113	Organic Rectifier, Circuit, RFID Tag and Use of an Organic Rectifier	Adolf Bernds et al.	411000-106
10/380,206	Organic Memory, Identification Marker (RFID-TAG) with Organic Memory and Uses of an Organic Memory	Adolf Bernds et al.	411000-102
10/381,032	Electrode and/or Conductor Track for Organic Components and Production Method Thereof	Adolf Bernds et al.	411000-105
10/433,959	Organic Field Effect Transistor, Method For Structuring an OFET and Integrated Circuit	Adolf Bernds	411000-108
10/433,961	Device For Detecting and/or Transmitting at Least One Environmental Influence, Method for Producing Said Device and Use Thereof	Wolfgang Clemens et al.	411000-111
10/467,636	Organic Field Effect Transistor With a Photostructured Gate Dielectric, Method for the Production and Use Thereof in Organic Electronics	Adolf Bernds et al.	411000-104
10/473,050	Device With At Least Two Organic Electronic Components and Method for Producing the Same	Adolf Bernds et al.	411000-113
10/479,234	Organic Field Effect Transistor, Method for Production and Use Thereof in the Assembly of Integrated Circuits	Adolf Bernds et al.	411000-101
10/479,238	Method For Producing Conductive Structures by Means of Printing Technique, and Active Components Produced Therefrom For Integrated Circuits	Adolf Bernds et al.	411000-100
10/492,922	Insulator for An Organic Electronic Component	Erwann Guillet et al.	411000-115
10/492,923	Electronic Unit, Circuit Design for the Same and Production Method	Wolfgang Clemens et al.	411000-114
10/498,610	Organic Field Effect Transistor with Offset Threshold Voltage and the Use Thereof	Walter Fix et al.	411000-119
10/508,640	Logic Component Comprising Organic Field Effect Transistors	Walter Fix et al.	411000-120
10/508,737	Device and Method for Laser Structuring Functional Polymers and	Adolf Bernds et al.	411000-121

10/517,750	Substrate for an Organic Field Effect Transistor, Use of the Substrate, Method of Increasing the Charge Carrier Mobility and Organic Field Effect Transistor (OFET)	Wolfgang Clemens et al.	411000-122
10/523,216	Electronic Component Comprising Predominantly Organic Functional Materials And A Process For The Production Thereof	Adolf Bernds et al.	411000-123
10/523,487	Electronic Device	Wolfgang Clemens et al.	411000-124
10/524,646	Organic Component for Overvoltage Protection and Associated Circuit	Walter Fix et al.	411000-127
10/533,756	Organic Electronic Component with High-Resolution Structuring and Process for the Production Thereof	Wolfgang Clemens et al.	411000-128
10/534,678	Measuring Apparatus for Determining an Analyte in a Liquid Sample	Wolfgang Clemens et al.	411000-129
10/535,448	Organic Electronic Component Comprising Semi-Conductive Functional Layer and Method for Producing Said Component	Wolfgang Clemens et al.	411000-131
10/535,449	Organic Electronic Component Comprising the Same Organic Material for at Least Two Functional Layers	Adolf Bernds et al.	411000-132
10/344,926	An Electronic Circuit Having an Encapsulated Organic-Electronic Component, and a Method for Making an Encapsulated Organic-Electronic Component	Wolfgang Clemens et al.	411000-133
10/541,815	Organo-Resistive Memory Unit	Axel Gerlt et al.	411000-136
10/541,956	Board or Substrate for an Organic Electronic Device and Use Thereof	Wolfgang Clemens et al.	411000-137
10/541,957	Organic Field Effect Transistor And Integrated Circuit	Walter Fix et al.	411000-138
10/543,561	Organic Storage Component and Corresponding Triggering Circuit	Wolfgang Clemens et al.	411000-139
10/542,678	Organic Electronic Component and Method For Producing Organic Electronic Devices	Adolf Bernds et al.	411000-140
10/542,679	Use of Conductive Carbon Black/Graphite Mixtures for the Production of Low-Cost Electronics	Adolf Bernds et al.	411000-141


The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

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Janice Speidel

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#270052

Respectfully submitted,  
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Substitute for form 1449A/PTO		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/542,678	
		Filing Date	July 19, 2005	
		First Named Inventor	Adolf Bernds	
		Group Art Unit	Not assigned 2891	
		Examiner Name	Not assigned Sarkar	
Sheet	1	2	Attorney Docket Number	411000-140

## U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Document Number ----- Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	103	US-6,852,583	10/09/2003	Adolf Bernds et al.	See accompanying Disclosure Statement filed herewith
	102	US-6,903,958	03/21/2002	Adolf Bernds et al.	
	133	US-10/344,926	02/12/2004	Adolf Bernds et al.	
	99	US-10/344,951	02/12/2004	Adolf Bernds et al.	
	110	US-10/362,932	10/02/2003	Adolf Bernds et al.	
	106	US-10/380,113	09/25/2003	Adolf Bernds et al.	
	105	US-10/381,032	02/12/2004	Adolf Bernds et al.	
	108	US-10/433,959	04/01/2004	Adolf Bernds	
	111	US-10/433,961	04/01/2004	Wolfgang Clemens et al.	
	109	US-10/451,108	05/13/2004	Mark Giles et al.	
	104	US-10/467,636	11/04/2004	Adolf Bernds et al.	
	113	US-10/473,050	05/20/2004	Adolf Bernds et al.	
	101	US-10/479,234	12/30/2004	Adolf Bernds et al.	
	100	US-10/479,238	10/20/2004	Adolf Bernds et al.	
	115	US-10/492,922	03/03/2005	Erwann Bullett et al.	
	114	US-10/492,923	12/23/2004	Wolfgang Clemens et al.	
	119	US-10/498,610	N/A	Walter Fix et al.	
	120	US-10/508,640	N/A	Walter Fix et al.	
	121	US-10/508,737	N/A	Adolf Bernds et al.	
	122	US-10/517,750	N/A	Wolfgang Clemens et al.	
	123	US-10/523,216	N/A	Adolf Bernds et al.	
	124	US-10/523,487	N/A	Wolfgang Clemens et al.	
	127	US-10/524,646	N/A	Walter Fix et al.	
	128	US-10/533,756	N/A	Wolfgang Clemens et al.	

/Asok Kumar Sarkar/ (05/07/2008)

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/542,678
		Filing Date	July 19, 2005
		First Named Inventor	Adolf Bernds
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
Sheet	2	Attorney Docket Number	411000-140

	129	US-10/534,678	N/A	Wolfgang Clemens et al.	
	131	10/535,448	N/A	W. Clemens et al.	
	132	10/535,449	N/A	Walter Fix et al.	
	136	US-10/541,815	N/A	Axel Gerft et al.	
	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
	138	US10/541,957	N/A	Walter Fix et al.	
	139	US-10/543,561	N/A	Wolfgang Clemens et al.	
	140	US-10/542,678	N/A	Adolf Bernds et al.	
	141	US-10/542,679	N/A	Adolf Bernds et al.	
Examiner Signature /Asok Kumar Sarkar/ (05/07/2008) Date Considered					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
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				First Named Inventor	Adolf Bernds
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	1	Of	11	Attorney Docket Number	411000-140

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0022284	02-21-2002	Heeger	See attached IDS Letter and Disclosure Statement filed herewith
		US-2002/0053320	05-09-2002	Duthaler	
		US-2002/0056839	05-16-2002	Joo et al.	
		US-2002/0068392	06-06-2002	Lee et al.	
		US-2002/0170697	11-21-2002	Hall	
		US-2002/0018911	02-00-2002	Bernius et al.	
		US-2002/0195644	12-26-2002	Dodabalapur et al.	
		US-2002/025391	02-28-2002	Angelopoulos	
		US-2002/130042	09-19-2002	Moerman et al.	
		US-2003/0112576	06-19-2003	Brewer et al.	
		US-2003/059987	03-27-2003	Sirringhaus et al.	
		US-2004/0002176	0101-2004	Xu	
		US-2004/0013982	01-00-2004	Jacobson et al.	
		US-2004/0026689	02-00-2004	Bernds et al.	
		US-2004/0084670	05-06-2004	Tripsas et al.	
		US-2004/0211329	10-00-2004	Funahata et al.	
		US-3,512,052	12-12-1970	Maciver et al.	
		US-3,769,096	10-30-1973	Ashkin	
		US-3,955,098	05-04-1976	Kawamoto	
		US-4,302,648	11-24-1981	Sado et al.	
		US-4,442,019	04-19-1984	Marks	
		US-4,926,052	05-15-1990	Hatayama	
		US-4,865,197	09-12-1989	Craig	
		US-5,173,835	12-22-1992	Cornett et al.	
		US-5,206,525	04-27-1993	Yamamoto et al.	

/Asok Kumar Sarkar/ (05/07/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AS/

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

11

**Complete if Known**

Application Number	10/542,678
Filing Date	July 19, 2005
First Named Inventor	Adolf Bernds
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	411000-140

		US-5,259,926	11-09-1993	Kuwabara et al.	
		US-5,321,240	06-14-1994	Takihira	
		US-5,347,144	09-13-1994	Garnier et al.	
		US-5,395,504	03-07-1995	Saurer et al.	
		US-5,480,839	01-02-1996	Ezawa et al.	
		US-5,486,851	01-23-1996	Gehner et al.	
		US-5,502,396	03-26-1996	Desarzens	
		US-5,546,889	08-20-1999	Wakita et al.	
		US-5,569,879	10-29-1996	Gloton et al.	
		US-5,574,291	11-12-1996	Dodabalapur et al.	
		US-5,578,513	11-00-1996	Maegawa	
		US-5,580,794	12-03-1996	Allen	
		US-5,629,530	05-13-1997	Brown et al.	
		US-5,630,986	05-20-1997	Charlton et al.	
		US-5,652,645	07-29-1997	Jain	
		US-5,691,089	11-25-1997	Smayling	
		US-5,729,428	03-17-1998	Sakata et al.	
		US-5,854,139	12-29-1998	Kondo et al.	
		US-5,869,972	02-09-1999	Birch et al.	
		US-5,946,551	08-31-1999	Dimitrakopoulos	
		US-5,967,048	10-19-1999	Fromson et al.	
		US-5,970,318	10-19-1999	Choi et al.	
		US-5,973,598	10-26-1999	Beigel	
		US-5,997,817	12-07-1999	Crismore et al.	
		US-6,036,919	03-14-2000	Thym et al.	
		US-6,045,977	04-04-2000	Chandross et al.	
		US-6,060,338	05-09-2000	Tanaka et al.	
		US-6,083,104	07-04-2000	Choi Kei Fung	
		US-6,087,196	07-11-2000	Sutrm et al.	
		US-6,133,835	10-17-2000	DeLeeuw et al.	
		US-6,207,472	03-27-2001	Calligari et al.	
		US-6,215,130	04-00-2001	Dodabalapur	

/Asok Kumar Sarkar/ (05/07/2008)

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

11

**Complete if Known**

Application Number	10/542,678
Filing Date	July 19, 2005
First Named Inventor	Adolf Bernds
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	411000-140

		US-6,251,513	06-26-2001	Rector et al.	
		US-6,284,562	09-00-2001	Batlogg et al.	
		US-6,300,141	10-09-2001	Segal et al.	
		US-6,321,571	11-27-2001	Themont et al.	
		US-6,322,736	11-00-2001	Bao	
		US-6,335,539	10-19-1999	Dimitrakopoulos et al.	
		US-6,340,822	01-22-2002	Brown et al.	
		US-6,403,396	06-11-2002	Gudsen et al.	
		US-6,429,450	08-06-2002	Mutsaers et al. et al.	
		US-6,517,955	02-00-2005	Jacobsen et al.	
		US-6,852,583	02-08-2005	Bernds et al.	
		US-6,903,958	06-07-2005	Bernds et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code* Number* Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		DE 33 38 597	05-02-1985	GAO Gesellschaft		
		DE 100 06 257 (title page only)	09-14-2000	IBM		
		DE 100 12 204 (title page only)	09-20-2001	Siemens		
		DE 100 33 112 (title page only)	01-24-2002	Siemens		
		DE 100 43 204 (title page only)	04-04-2002	Siemens		
		DE 100 45 192	04-04-2002	Siemens AG		
		DE 100 47 171	04-18-2002	Siemens AG		
		DE 100 58 559	05-29-2002	Interactive Biotech.		
		DE 100 61 297 (title page only)	06-27-2002	Siemens		
		DE 101 17 663	10-17-2002	Samsung SDI Co.		
		DE 101 20 687	10-31-2002	Siemens AG		
		DE 102 19 905	12-04-2003	Osram Opto Semicond.		
		DE 198 16 860	11-18-1999	Deutsche Telekom		
		DE 198 52 312 (title page only)	05-20-1999	Nintendo Co.		
		DE 199 18 193 (title page only)	11-25-1999	Cambridge Display		
		DE 199 21 024 (title page only)	11-16-2000	Eichelmann		

/Asok Kumar Sarkar/ (05/07/2008)

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

11

**Complete if Known**

Application Number	10/542,678
Filing Date	July 19, 2005
First Named Inventor	Adolf Bernds
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	411000-140

	DE 199 33 757	01-25-2001	Giesecke & Devrient		
	DE 199 35 527	02-08-2001	Giesecke & Devrient		
	DE 199 37 262	03-01-2001	Siemens		
	DE 424 38 32	06-30-1994	Daimler-Benz		
	DE 695 19 782 (title page only)	01-03-2001	News Datacom Ltd.		
	EP 0 128 529	12-19-1984	BASF		
	EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha		X
	EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha		X
	EP 0 350 179	01-10-1990	W & T Avery Ltd.		X
	EP 0 442 123	08-21-1991	Neste OY		X
	EP 0 460 242	12-11-1991	Nippon Petrochemicals		X
	EP 0 501 456 A2	09-02-1992	Sony		X
	EP 0 501 456 A3	09-02-1992	Sony		X
	EP 0 511 807	11-04-1992	GEC Avery Ltd.		X
	EP 0 528 662 r	02-24-1993	Kabushiki Kaisha Toshiba		X
	EP 0 615 256	09-23-1998	Koninklijke Philips		
	EP 0 685 985	12-06-1995	Hitachi Metals		X
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/542,678	
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			First Named Inventor	Adolf Bernds	
			Group Art Unit	Not assigned	
			Examiner Name	Not assigned	
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Sheet 6

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First Named Inventor	Adolf Bernds
Group Art Unit	Not assigned
Examiner Name	Not assigned
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Examiner Name	Not assigned
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Examiner Signature	/Asok Kumar Sarkar/ (05/07/2008)	Date Considered

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